

AMENDMENTS TO THE CLAIMS

1-55. (Canceled)

56. (Currently amended) A method for recording, on a storage medium, ~~containing~~ digital video information obtained by coding a digital video signal using motion compensation prediction, said digital video information comprising intra-coded I-picture data, predictive-coded P-picture data and bidirectionally predictive-coded B-picture data:

said digital video information comprising video data units, each of said video data units comprising a sequence of said I-picture data, said P-picture data and said B-picture data,

wherein each of said video data units has a control data packet containing control information for reproducing said digital video information, said control packet preceding I-picture data of a corresponding video data unit,

wherein said control information includes address information of said I-picture data and P-picture data in said video data unit,

wherein a reproducing apparatus accesses said control data packet during playback operation and uses said control information included in said control data packet for reproducing said digital video information.

57. (Currently amended) An apparatus for reproducing digital video information contained in a storage medium created according to the method of claim 56, wherein said control information is used to reproduce said digital video information.

58. (Currently amended) A method for reproducing digital video information contained in a storage medium created according to the method of claim 56, wherein said control information is used to reproduce said digital video information.

59. (Currently amended) A method for recording digital video information on a storage medium, said digital video information being obtained by coding a digital video signal using motion compensation prediction, said digital video information comprising intra-coded I-picture

data, predictive-coded P-picture data and bidirectionally predictive-coded B-pictured data, said method comprising:

forming video data units, each of said video data units comprising a sequence of said I-picture data, said P-picture data and said B-picture data,

creating a control data packet containing control information for reproducing said digital video information, said control information including address information of said I-picture data and P-picture data, said control packet preceding I-picture data of a corresponding video data unit.

forming a system stream comprising said video data units, each of said video data units having said control data, and

recording said system stream on said storage medium.

60. (Currently amended) A An apparatus for reproducing digital video information contained in a storage medium containing digital video information recorded by a method according to claim 59, wherein said a reproducing apparatus accesses said control data packet during playback operation and uses said control information included in said control data packet for reproducing said digital video information.

61. (Currently Amended) A method for recording, on a storage medium, containing digital video information obtained by coding a digital video signal using motion compensation prediction, said digital video information comprising intra-coded I-picture data, predictive-coded P-picture data and bidirectionally predictive-coded B-picture data:

said digital video information comprising video data units, each of said video data units comprising a sequence of said I-picture data, said P-picture data and said B-picture data,

wherein each of said video data units has a control information for reproducing said digital video information, said control information preceding I-picture data of a corresponding video data unit.

wherein said control information includes positional picture arrangement information of said I-picture data and a P-picture data and B-picture data in said video data unit,

wherein a reproducing apparatus accesses said control information during playback operation and uses said control information for reproducing said digital video information.

62. (Currently Amended) An apparatus for reproducing digital video information contained in a storage medium created according to the method of claim 56, wherein said control information is used to reproduce said digital video information.

63. (Currently Amended) An apparatus for reproducing digital video information contained in a storage medium created according to the method of claim 56, which performs speed play by accessing I-picture data based on said control information.